

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

- 1-2. (Canceled)
3. (Currently Amended) A solvent dispersion for a printing ink, wherein ~~the a~~ polyethylene-based wax ~~according to claim 1~~ that is produced with a metallocene-based catalyst and is subjected to oxidative modification, and specified by the following (i) to (vii):
- (i) being an ethylene homopolymer or a copolymer of ethylene and at least one  $\alpha$ -olefin selected from  $\alpha$ -olefins having 3 to 20 carbon atoms,
  - (ii) having the intrinsic viscosity  $[\eta]$  determined in decalin at 135°C ranging from 0.06 to 0.35 dl/g,
  - (iii) having the ratio (Mw/Mn) of weight average molecular weight (Mw) to number average molecular weight (Mn) determined by gel permeation chromatography (GPC) ranging from 1.7 to 3.2,
  - (iv) having the ratio (Mz/Mw) of z-average molecular weight (Mz) to weight average molecular weight (Mw) determined by gel permeation chromatography (GPC) ranging from 1.5 to 2.0,
  - (v) having the density ranging from 920 to 980 kg/m<sup>3</sup>,
  - (vi) having the penetration hardness of 5 dmm or less, and
  - (vii) having the acid value ranging from 0.3 to 9.9 KOH-mg/g, is dispersed in the form of fine particles having a volume average particle diameter ranging from 0.3 to 10  $\mu\text{m}$

and at a ratio of 5 to 50 wt.% based on the total weight of the solvent dispersion in a non-aromatic solvent.

4. (Previously Presented) The solvent dispersion for a printing ink according to claim 3, wherein the non-aromatic solvent contains an alcohol-based solvent and/or an ester-based solvent at a ratio of 10 wt.% or more based on the total weight of the non-aromatic solvent.

5. (Currently Amended) A printing ink comprising the solvent dispersion according to claim 3, wherein ~~in which~~ the polyethylene-based wax ~~according to claim 1~~ is contained in the form of fine particles having a volume average particle diameter ranging from 0.3 to 10  $\mu\text{m}$  and at a ratio of 0.1 to 10 wt.%, and the content of an aromatic solvent is less than 5 wt.% based on the total weight of the printing ink composition.